

**Notice of Allowability**

Application No.

09/935,647

Applicant(s)

TZENG, HWAI-DER

Examiner

Chuck O. Kendall

Art Unit

2192

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 09/19/2005.
2. ☒ The allowed claim(s) is/are 1-3 and 7-20 (renumbered as 1 - 17).
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some\* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 12/09/2005.
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_

  
TUAN DAM  
SUPERVISORY PATENT EXAMINER

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### Examiners Amendment

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with David Klein reg. 33,253 on 12/09/05.

The application has been amended as follows:

**IN THE CLAIMS:**

2. Please amend claim 19, as follows:

In claim 19, replace claim with:

Claim 19 (Currently amended) A humanity interface development system of a testing program of a circuit board, comprising:

a display of a main menu by which an operator selects one of multiple items with data pre-built therein, the main menu including:

building configuration of objects to be tested, defining footing of objects to be tested, using a program generator, building data of testing chapters, building documents and figure files of objects to be tested, building reference data, building coordinate data of positions of parts, building failure rates corresponding to different parts, and linking and compiling files, building of data of each object to be tested co-operating with the program generator to produce the required program, and the items of building data of testing chapters and linking and compiling files co-operating with steps of building of data of each object to be tested, so that the operator may conveniently use data base and programs that are built according to existing orders of the system for testing a circuit board, the procedure of building failure rate data corresponding to different parts includes the following steps: selecting a name of an object to be tested; then displaying

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a picture of a corresponding part; inputting a failure rate of the corresponding part to facilitate analysis work of the testing program; and

the procedure of using a program generator includes the steps of:

displaying a name of an object to be tested; displaying a name a object to be tested and data related thereto for identification of a designer;

confirming: if the operator confirms the object to be tested, the following procedure is performed if the operator does not confirm the object to be tested, the main menu is displayed;

selecting the program manner: the operator respectively selects the modes of a program parameter, including testing, debug or limit; if the operator selects the testing mode, he inputs a testing parameter, if the operator selects the debug mode, he inputs a debug parameter, after the two items of inputting the testing parameter and inputting the debug parameter are input, the system respectively enters the designs of test program or debug program, and a flow chart button is displayed to prepare to proceed to a step of selecting a testing flow chart; if the operator selects the limit mode, selecting an item of a chapter or section to be amended is displayed, and selecting a testing manner to select a testing manner such as the function test or a debug test, and after selection to perform the step of selecting a testing number or selecting a testing number and debugging, then filling a limit value for each program or step, then selecting confirming the above steps and actions, if the above steps and actions are not confirmed, the main menu is displayed, if the above steps and actions are confirmed,

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the data in the data base is changed, and the step of displaying the name of the object to be tested is displayed;

the procedure of selecting a testing flow chart includes: a process of file maintenance or reproduction, and selecting a button of a testing flow chart; and

selecting the item of a testing flow chart is changed and designed according to different testing processes and manners, and the most complete process of selecting the item of a testing flow chart includes the following steps:

setting a power supply of the system, starting a first pause, setting an exciting signal, a second pause, setting a measuring signal, a third pause, closing an exciting signal, a fourth pause, updating codes of a testing program, and updating codes of a debug program .

### **Reasons for Allowance**

1. Examiner has reviewed and considered Applicants comments as indicated on pages 18 – 19 of Applicant's response dated 09/19/2005 and per Applicant's amendments, claims 1 – 3 and 7 – 20 are now in condition for allowance.

The following is an Examiner's statement of reasons for allowance.

The prior art of record does not teach or fairly suggest at least:

“ selecting the item of a testing flow chart is changed and designed according to different testing processes and manners, and the most complete process of selecting the item of a testing flow chart includes the following steps: setting a power supply of the system, starting a first pause, setting an exciting signal, a second pause, setting a measuring signal, a third pause, closing an exciting signal, a fourth pause, updating codes of a testing program, and updating codes of a debug program ”, as best illustrated by Figure 5, in such a manner as recited in independent claims 1 & 19 and as pointed out in pages 18 – 19, of Applicant's response (09/19/05).

Therefore, claims 1 – 3 and 7 – 20 are in condition for allowance.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled “Comments on Statement of Reasons for Allowance.”


### Correspondence Information

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chuck Kendall whose telephone number is 571-2723698. The examiner can normally be reached on 10:00 am - 6:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tuan Dam can be reached on 571-2723695. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CK



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